

Converting Colors

XYZ(27.8057, 35.0537, 34.7671)

Have a look what the booklet for
XYZ(27.8057, 35.0537, 34.7671)
contains.

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Color

**XYZ(27.7064, 34.9769,
34.5691)**

Conversions

Conversions Part 1

Format	Color
Hex	78AA97
RGB	120, 170, 151
RGB Percent	47%, 67%, 59%
CMY	0.5294, 0.3333, 0.4078
CMYK	0.29, 0.00, 0.11, 0.33
HSL	157°, 23%, 57%
HSV	157°, 29%, 67%
XYZ	27.7064, 34.9769, 34.5691
YIQ	152.8840, -23.7010, -16.5090

Conversions

Conversions Part 2

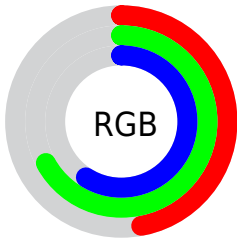
Format	Color
RYB	120, 151, 170
Decimal	7907991
CIELab	65.73, -20.76, 4.48
CIELCh	66, 21.239, 167.835
Yxy	34.9769, 0.2849, 0.3597
Android (android.graphics.Color)	4286098071 (0xFF78AA97)
YUV	152.8840, -0.9288, -28.8393
Hunter-Lab	59.1413, -19.8739, 6.7429

Details

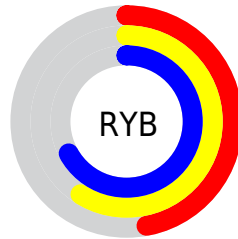
The XYZ color **27.7064, 34.9769, 34.5691** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.9555, 23.8440, 27.5565**, and the grayscale version is **30.2399, 31.8147, 34.6463**.

A 20% lighter version of the original color is **55.1782, 67.1424, 67.8092**, and **11.2329, 15.1422, 14.3873** is the 20% darker color. If you saturate the color by 10%, you get **25.0445, 33.6646, 31.7807**, and if you desaturate by 10%, it is **30.8176, 36.5194, 37.5302**.

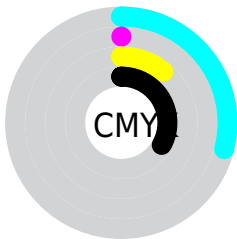
Distribution



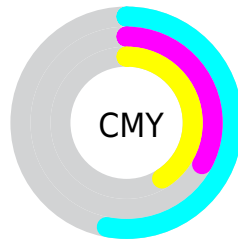
- Red (47%)
- Green (67%)
- Blue (59%)



- Red (47%)
- Yellow (59%)
- Blue (67%)



- Cyan (29%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)





- Cyan (53%)
- Magenta (33%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7064, 34.9769, 34.5691 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 27.7064, 34.9769, 34.5691 by changing the saturation by 10% instead.


 27.7064, 34.9769,
34.5691

 27.7064, 34.9769,
34.5691


283.1669,
324.4664, 337.5085


 18.2438, 23.6451,
23.0502


 55.4273, 67.4500,
67.9617

 11.2259, 15.0706,
14.4250


 74.4163, 89.3600,
90.6725

 6.2874, 8.8689,
8.2747


 97.3114, 115.5650,
117.9510

 3.0629, 4.6558,
4.1809

124.4780,
146.4491, 150.2158

 1.1871, 2.0467,
1.7251

156.2816,
182.3970, 187.8854

 0.0962, 0.6344,
0.3779

193.0873,

 0.0000, 0.0000,

223.7929, 231.3784

0.0000

235.2606,
271.0212, 281.1133

■ 27.7064, 34.9769,
34.5691

■ 27.7064, 34.9769,
34.5691

■ 25.0445, 33.6646,
31.7807

■ 30.8176, 36.5194,
37.5302

■ 22.8065, 32.5665,
29.1591

■ 34.3961, 38.2985,
40.6648

■ 20.9685, 31.6715,
26.7016

■ 38.4626, 40.3258,
43.9770

■ 19.5034, 30.9655,
24.4043

■ 43.0355, 42.6106,
47.4699

■ 18.3802, 30.4327,
22.2632

■ 48.1322, 45.1620,
51.1464

■ 17.5627, 30.0545,
20.2741

■ 53.7694, 47.9884,
55.0094

■ 16.9778, 29.7931,
18.4308

■ 59.9629, 51.0980,
59.0619

■ 16.9456, 29.7788,
18.3266

■ 66.3575, 54.3076,
63.2892

■ 67.1422, 54.6215,
67.4213

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.9840, 34.9769, 27.6547



27.7064, 34.9769, 34.5691



27.8429, 34.9769, 43.6051

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.7064, 34.9769, 34.5691



35.1202, 34.9769, 56.9407



37.4462, 34.9769, 26.6931

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.7064, 34.9769, 34.5691



27.9555, 23.8440, 27.5565

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



39.3030, 34.9769, 33.0496



27.7064, 34.9769, 34.5691



37.9033, 34.9769, 50.8521

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.7064, 34.9769, 34.5691



31.9934, 34.9769, 57.5191



39.4754, 34.9769, 41.8292



34.5277, 34.9769, 23.6090

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.7064, 34.9769, 34.5691



28.7183, 34.9769, 49.6529



39.4754, 34.9769, 41.8292



38.2229, 34.9769, 28.4678

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.7074, 34.9783, 34.5699



62.5782, 69.5717, 73.9244



28.4414, 35.6104, 23.1444



13.7368, 15.4061, 16.3006



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.7074, 34.9783, 34.5699



47.1708, 61.9314, 59.5357



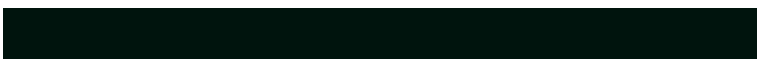
28.3079, 33.5074, 43.0075



7.6249, 8.4830, 9.0107



12.4926, 21.9158, 13.6269



0.3277, 0.5427, 0.4564

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.9555, 23.8440, 27.5565



47.6940, 38.5586, 44.8256



27.4084, 24.7822, 21.1088



7.6447, 7.5877, 8.4460



12.9135, 6.5741, 4.3562



0.3392, 0.1699, 0.2375

Previews

White Background



This preview shows how the XYZ color 27.7064, 34.9769, 34.5691 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.7064, 34.9769, 34.5691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

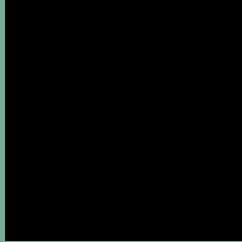
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

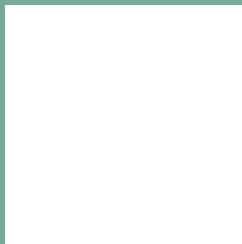
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7064, 34.9769, 34.5691

Background



This preview shows how black text looks on a background with the XYZ color 27.7064, 34.9769, 34.5691.

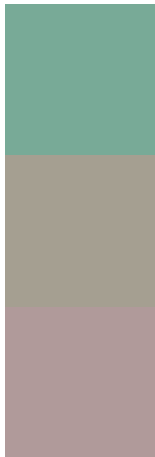


This preview shows how white text looks on a background with the XYZ color 27.7064, 34.9769, 34.5691.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.7064, 34.9769, 34.5691

Protanopia

33.0260, 34.8399, 31.7722

Deuteranopia

35.2928, 34.6744, 35.4045



Tritanopia

30.3771, 34.9627, 47.7953

Trichromacy



Original Color

27.7064, 34.9769, 34.5691

Protanomaly

30.7581, 34.6905, 32.6786

Deuteranomaly

32.0309, 34.5094, 35.1098

Tritanomaly

29.2923, 34.7871, 42.7068

Monochromacy



Original Color

27.7064, 34.9769, 34.5691

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.0501, 32.7260, 34.4914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7064, 34.9769, 34.5691 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 170, 151)` looks like.

```
.text, #text, p{  
    color:rgb(120, 170, 151)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 170, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 170, 151) }
```

Border

The CSS property to change the border of an element to XYZ 27.7064, 34.9769, 34.5691 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 170, 151) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 170, 151) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(120, 170, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 170, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 170, 151);  
box-shadow:4px 4px 4px 4px rgb(120, 170,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7064, 34.9769, 34.5691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 170, 151) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120,  
170, 151) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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